Work Orde April-04-12 1:57	er ID 82679 7:13 PM		*82679*								Page 1
Item ID: Revision ID:	D350-636-011		Accept	*N900	040	100)*	Setup	Start	*N	S1*
	Skidtube LH			90	.48				Stop	*N	S2*
Start Date:	04/04/2012 Start Qty: 1.00	*1*		Cust Item 1							
Required Date:	18/04/2012 Req'd Qty: 1.00	*1*		Customer:							
Reference:		•									•
Approvals:	Process Plan: MLJ	Date: \2 04\	05 Tooling:	D:	ate:	_		Run	Start	*N	R1*
	QC:	Date:	SPC (Y/N):		ate:				Stop	*N	R2*
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	t Rej Qty		Reject Number	Insp. Stamp
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D2750	F										
D3492	C	•						_			
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100	DOCUMENT CONT	ROL					*	7-44	MM	ILT 1	2-4-2
DC	Memo		0.00	^ <	\sim 1	ı	(-	J <u> </u>	<u> </u>	<u>, </u>	
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DATE	STEP	PR	OCEDURE CHAI		Ву	Date	Qty	Approval Chief Eng / © Prod Mgr	Approval QC Inspector
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Part No	• <u></u>	PAR #:	Fault Categ	jory:	NCR: Yes	No DQA	\:	_ Date: _	
	Re	solution:	Disposition	i:	_ QA: N/C Clo	sed:		Date: _	
NCR:			WORK ORDE	ER NON-CONFORMA	NCE (NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	on B Sign & Date			Approval Chief Eng	Approval QC Inspector
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Work Orde		679		*826	379*		-			12	Page
Item ID: Revision ID: Item Name:	D350-636-0 Skidtube LH	11		Accept	*N900	04 0	110	N *	Setup Sta	I	S1* S2*
Start Date: Required Date: Reference:	04/04/2012 18/04/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item I Customer:	D:					. 12
Approvals:	Process Pla	in:	Date:	Tooling: SPC (Y/N):		ate:			Run Sta	1/1	R1* R2*
Sequence ID/ Work Center II 110 *110*)	Operation Description Skidtubes		Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110 Skidtubes Skidtubes		AFT end per 3- Drill pilot	WD and AFT ends, removed dwg D2750	0.00 ove bending marks. Scribe book holes using DT8983. Op							
		fitting 5- Drill only	two fwd step holes usin	g bolt holes and drill pilot he g DT9616. Ensure proper po 0 sheet 4 (D2750-1 details).	ositioning.						

7- Clecko DT8863B on second side of tube and drill pilot holes for detail B. ***SECOND SIDE***

8-Open up holes for Detail B to 0.375" (4 holes per side) and blade fitting location holes to 0.500" (total of 4 holes per side) as per dwg D2750. Open up holes for ground handling and detail C to 0.500" (8 holes per side)

9-Drill pilot holes for wearplates as per Dwg D2750 using DT8108 open to

10-Open up holes of Detail A to 0.297" (total of 2 holes per side)

0.297".

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W/O:		WORK ORDER CH	ANGES			r							
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
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Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:							

Part No: _		PAR #: Fault Category:	NCR: Yes No DQA:	Date:				
	Resolution:	Disposition:	QA: N/C Closed:	Date:				
NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
		Corrective Action	Costian P					

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		Description of NC		Corrective Action Section B		Verification	Annroval	Annroyal
DATE	STEP	Section A	initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
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·	Work Order ID 82679 April-04-12 1:57:13 PM			*826	379*						Page 3
Item ID: Revision ID: Item Name:	D350-636-0 Skidtube LH	11		Accept	*N900	040	100) *	Setup Sta	IVI	S1* S2*
Start Date: Required Date: Reference:	04/04/2012 18/04/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item II Customer:	D:					
Approvals:	Process Pla	n:	Date:	Tooling: SPC (Y/N):	Da	te:			Run Sta	" [\]	R1* R2*
Sequence ID/ Work Center II)	from bendin A/R Alum	744 Cap as per Dwg D2750 g as per QSI 004 inum Rod batch: Mio	, , ,	Tool ID es in bend left ### 12/04/ #### 12-4-1	/	Plan Code	Accept Qty	t Reject Qty	Reject Number	Insp. Stamp
120 *170* QC Quality Control		QC10- Inspect visual per Memo	QSI004- ground welds	0.00	lou 12		-				· <u></u>
130 *130*		QC5- Inspect part comple	eteness to step on W/O	0.00	oa 112		_				

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Quality Control

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W/O:			WC	ORK ORDER CHANG	GES		,			1 (
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Cate	gory:	_ NCR:	Yes N	lo DQ	A:	_ Date: _	
	Re	solution:	Disposition	າ:	QA: N	VC Clo	sed:		Date: _	
NCR:			WORK ORDI	ER NON-CONFORM	ANCE (NCR)				
		Description of NC		Corrective Action Sec	tion B		Verific	ation	Approval	Approval
DATE		Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Verification Section C		Chief Eng	QC Inspector
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Work Ord		2679		*826	379*				Page 4
Item ID: Revision ID: Item Name: Start Date: Required Date: Reference:	D350-636-0 Skidtube LH 04/04/2012 18/04/2012	Start Qty: 1.00	*1* *1*	Accept	*N900 Cust Item I Customer:	104010 10:) *	Setup Start Stop	14.21
Approvals:	Process Pla	an:	Date:	Tooling: SPC (Y/N):		ate:	J	Run Start Stop	"NRT"
Sequence ID/ Work Center II 140 *140* HandFinish Hand Finishing)	Operation Description Chemical Conversion Co	at per QSI005 4.1	Set Up/ Run Hours 0.00 , /	Tool ID	Tool # Plan Code	Accept Qty UG		Reject Insp. Number Stamp ムノ / ユ
150 *1 5 0*		Ogga- Inspect Part Finish		0.00			Wa	\ , ,	/ 10

0.00

Quality Control

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Part No		PAR #:	Fault Cate	gory:	NCR: \	es N	lo DQ /	A:	Date:	
	R	esolution:	Dispositio	n:	QA: N/	C Clo	sed:		Date:	
NCR:	-		WORK ORD	ER NON-CONFORMA	NCE (N	ICR)				
	D				Section B Verificati			ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		gn & Date	Section		Chief Eng	QC Inspector
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April-04-12 1:5	7:13 PM				0/0	179						rage
Item ID: Revision ID: Item Name:	D350-636-01	1			Accept	*N900	1040	110)*	Setup Star Stop	1/1	S1*
	04/04/2012	Start Qty: 1.00 Req'd Qty: 1.00		*1* *1*		Cust Item Customer					IN.	5 /
Approvals:	Process Plan	n:	Date:		Tooling:		Date:	<u></u>	j	Run Star	1/1	R1*
	QC:		Date:		SPC (Y/N):		Date:			Stop		R2*
Sequence ID/ Work Center ID)	Operation Description			Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160 Skidtubes		Skidtubes Memo			0.00							
		side) as per dwg 2-Open up as per dwg 3- Open flo 4-Chamfer (welding in 5-Deburr al 6- Prepare to 7-Bond wel A/R Sik 8- Weld spa (welding in A/R Alum	D2750. holes of Detail D2750. hat hole to 0.500 holes of Detail structions on shand blow out all of the properties of D2739 in place aftex-291	B to 0.750" (4 per sid B, C, groun eet 8) chips from g, remove al ee as per QS batch: exp. D3490-3 ar eet 8) tch:	d handling and float holes prinside of tube odine as required. 1015 1013 date: 12-913 and D2743 as per dwg D2750	per dwg D2750	-16) De		12/04 -412 104/12	1/12	
		10-Grind w	elds flush as per	Dwg D27:	50	(A 15	2-4-1	6				

Dart Ae	rospace L	td						• • • • • • • • • • • • • • • • • • • •
W/O:			WORK ORDER	CHANGES				• • •
DATE	STEP		PROCEDURE CHANGE	В	y Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #: _	Fault Category:	NCR: Y	es No DQ	A:	Date: _	
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NCR:	CR: WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B		Verification	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector			
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Work Ord April-04-12 1:5		679		*82	679*			Page 6
Item ID: Revision ID: Item Name:	D350-636-0 Skidtube LH	11		Accept	*N90004	10100*	Setup Sta	1/2/1
Start Date: Required Date: Reference:	04/04/2012 18/04/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:			14.52
Approvals:	Process Pla	in:	Date:	Tooling: SPC (Y/N):	Date:Date:		Run Sta	
Sequence ID/ Work Center II)	Operation Description 11-Spot face dwg D2750	ground handling holes so	Set Up/ Run Hours ection (total of 4 places		Ol# Plan Acc Code Qty	Qty	Reject Insp. Number Stamp
170 *170* QC Quality Control		QC10- Inspect visual per Memo	QS1004- ground welds	0.00	ally			·
180 *180* QC Quality Control	*	QC5- Inspect part comple	eteness to step on W/O	0.00	chall?			

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W/O:		WORK ORDER CHANGES								
DATE	STEP	PRO	OCEDURE CH	IANGE	Ву	D	ate	Qty		Approval QC Inspector
Part No	:	PAR #:	Fault Ca	tegory:	NCR: Y	es No	DQA	:	_ Date: _	
	Re	esolution:	Disposit	ion:	QA: N/C	Close	d:		Date:	
NCR:		,	WORK OR	DER NON-CONFOR	MANCE (N	CR)				
DATE	STEP	Description of NC			Section B		Verifica		Approval	Approval
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng		n & ate	Section	n C	Chief Eng	QC Inspector
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Work Order ID 82679 April-04-12 1:57:13 PM				Page 7				
Revision ID:	D350-636-0	11		Accept	*N900040100)* Setu	p Start Stop	*NS1* *NS2*
Start Date: Required Date: Reference:	04/04/2012 18/04/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:			14. 17
Approvals:	Process Pla	n:	Date:	Tooling: SPC (Y/N):	Date:	Run	Start Stop	*NR1* *NR2*
Sequence ID/ Work Center ID	· · · · · · · · · · · · · · · · · · ·	Operation Description	· · · · · · · · · · · · · · · · · · ·	Set Up/ Run Hours	Tool ID Tool # Plan Code	Accept R Qty Q		Reject Insp. Number Stamp
1QA HandFinish Hand Finishing		Pressure Wash per QS100 Memo Re-alodine tu		0.00 0.00 n 4.1.2.1 do not acid etch.	my	1 00	1) - 4	•
200 *200* Powdercoat Powder Coating	1124	White Gloss(Ref:4.3.5.1) Memo START TIMI OVEN TEMI FINISH TIMI	E:	0.00 200/=		1X 9		ML 12/54/1
* 71 0*		Op 7-Inspect Chemical Co	D O O	0.00		/		P70-€

Inspect for foreign object per QSI 024

Quality Control

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DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Þ-H-19	210.	PERMANENT CHANGE. THAT SEQUENCE SHOUND BE COS Done H	Bl.	124-19			

Part No: <u>D 350-636-011</u>	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed:	:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)												
		Description of NC		Corrective Action Section B		Verification	Approval	Approval						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector						
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Work Orde		679		*826	379*							Page 8
Revision ID:	D350-636-0 Skidtube LH	11		Accept	*N900	040	110	N *	Setup	Start Stop	*N:	S1*
	04/04/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item I Customer:	ID:			·	•	"IXI;	S)"
Approvals:	Process Pla	n:	Date:	Tooling:	Da	ate:	_		Run	Start	*NI	R1*
	QC:		Date:	_	Da	ate:				Stop	*N!	R2*
Sequence ID/ Work Center ID 220)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accep Qty	t Rej Qty		Reject Number	Insp. Stamp
*220 *220* HandFinish		HandFinishing Memo		0.00					Ø	(12/04/19
Hand Finishing			eerts as per Dwg D2750									v
230				0.00								
230 HandFinish		HandFinishing		0.00					8	1	(P)	12/04/19
Hand Finishing		Memo 1-Inspect for	Foreign Objects	0.00								<i>i</i> 10
Č		2-Spray insi	de of tube with "LPS-3" de fitting D3488-041, wea 150 241	batch: N/A rshoes and ground handling	ng hardware as							

4-assemble o'ring to plug as per dwg D3492 and apply o'ring lube A/R 55-o'ring lube batch: 110548

5-Coat all exposed fasteners with "LPS Procyon" batch: 114596

W/O:			V	VORK ORDER CHANG	iES			_	,
DATE	STEP	PRO	CEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Ca	tegory:	NCR: Yes	No DQ	A:	Date: _	
	Resolution:		Disposit	ion:	_ QA: N/C (Closed:		Date: _	
NCR:		V	VORK OR	DER NON-CONFORM	ANCE (NC	R)			
DATE	STEP	Description of NC Section A	Initial	Action Description	ion B	& Sect	cation tion C	Approval Chief Eng	Approval QC Inspector
			Chief Eng	Chief Eng	Date				
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Work Orde		679		*826	379*				·- · - ·- ·- ·	Page 9
Revision ID: Item Name: Start Date: Required Date:	D350-636-01 Skidtube LH 04/04/2012 18/04/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*	Accept	*N9000401 Cust Item ID: Customer:	೧ ೧*	Setup	Start Stop	*N:	S1* S2*
Approvals:	Process Pla QC:	n:	Date:	Tooling: SPC (Y/N):	Date:		Run	Start Stop	*NI *NI	R1* R2*
Sequence ID/ Work Center ID 240 *740* QC Quality Control		Operation Description QC5- Inspect part compl	eteness to step on W/O	Set Up/ Run Hours 0.00		lan Accep ode Qty	t Reju Qty		Reject Number	Insp. Stamp
250 *250* Packaging Packaging		Pick Kit Memo		0.00						12/04/20

260

QC4-100% Inspect kits for completeness

0.00

Memo

Quality Control

*****ensure antiseize is on AN8C21A bolts*****

W/O:	-		WORK ORDER CHANGES											
DATE	STEP	PRO	OCEDURE CHAI	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
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NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCF	R)	, ,							
DATE	STEP	Description of NC			ection B		cation	Approval	Approval					
	O.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Secti	on C	Chief Eng	QC Inspector					
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Work Order ID	8267
April-04-12 1:57:13 PM	
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April-04-12 1:5	57:13 PM			"A/h	/ M.					Page 10	
Item ID: Revision ID: Item Name:	D350-636-0 Skidtube LH	11		Accept	*N90004	010	N *	Setup	~.	NS1*	
Start Date: Required Date: Reference:	04/04/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:					NS2*	
Approvals:	Process Pla	ın:	Date:	Tooling:	Date:				Start *	NR1*	
	QC:		Date:	SPC (Y/N):	Date:				Stop *	NR2*	
Sequence ID/ Work Center II)	Operation Description		Set Up/ Run Hours	Tool ID Too	# Plan Code	Accep Qty	t Reje Qty	ct Rejec Numb		
270 Packaging		Packaging Memo		0.00		•	P		<u> </u>	PlyDe	>
Packaging			per PPP D350-636-011	/(CO T							
280		QC21- Final Inspection -	Work Order Release	0.00				10	1.1	1200	/
280		Memo		0.00				12	- 14 1.	6/1/	ļ

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Part No	:	PAR #:	_ Fault Ca	tegory:	NCR: Yes	No DQA	٨:	Date: _						
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DATE	STEP	Description of NC		Corrective Action Section		Verific		Approval	Approval					
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Picklist Print

April-04-12 1:57:17 PM

Work Order ID: 82679

Comments:

Parent Item: D350-636-011

Parent Item Name: Skidtube LH

82679

D350-636-011

Start Date: 04/04/2012

Required Date: 18/04/2012

Start Qty: 1.00 Required Qty: 1.00

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 IPP Rev:I
 02.09.25
 Rearranged procedure steps
 KJ

 IPP Rev:J
 06-03-23
 As per Rev D
 JLM

 IPP Rev:K
 06-07.13
 As per dsi9343
 EC

IPP Rev:L 07-07-28 Added SS Wearplates(Rev E) JLM Verf:EC IPP Rev:M 08-04-22 update steps 4, 13 DD verified by:EC

IPP Rev:N 08-09-23 revF as per dwg DD verified by:ec

IPP Rev:O 09-02-06 apply antiseize on AN8C21A bolts as per PAR09-010 DD verf:EC IPP Rev:P 10.06.22 revise

seq110 DD verf:EC

IPP Rev:Q 10.10.01 as per IIN revH

DD verf:EC

D	D Ven.EC											
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Status Issued
D3492-1		Manufactured	No		· ·	230	Each	46.0000	8	8		
D3492-1									**	3		14/04/1
				Location	//	Loc	<u>Otv</u>	Loc Code				
				FP002	81963		46		_		_	
					69531		8		*******		_	
					74444		2				_	
					76235		4		_		_	
D3492-3		M. C. 1	N:-		77037	220	32					
		Manufactured	No			230	Each	1.0000	8	8		
D3492-3									**	8 (DP)	12/04/19
				Location	<u>l</u>	Loc	Qty	Loc Code				
				FP-A	21967		1				24	
					78600		1					

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W/O:			WO	RK ORDER CHANG	ES					* .					
DATE	STEP	PRO	OCEDURE CHAI	NGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
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Dort No.		DAD #	Foult Cates		NCD.	/aa N	lo DO		Data						
Part No		PAR #: esolution:		•											
	- H	T							Date:						
NCR:			WORK ORDER NON-CONFORMANCE (NCR)												
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	ion Sign & Date			ation on C	Approval Chief Eng	Approval QC Inspector					
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Picklist Print April-04-12 1:57:17 PM									Page	÷ 2
Work Order ID: 82679		*8	2679*							,
Parent Item: D350-636-011			350-636-	ገ11*						
Parent Item Name: Skidtube LH		• 2). J.	,,,,			tart Date: 0 Start Qty: 1		Required Date: 18/04/2012 Required Qty: 1.00	
NAS1611-010	Purchased	No		230	Each	275.0000	8	8		
NAS1611-010			,				**	18 mm (B 12/04/19	
			Location	<u>L</u>	oc Qty	Loc Code				
			FP		50				_	
			110915		0					
			120770		50				_	
			FP001 110915		225 14				_	
			117460		8				T .	
			118077		1					
			118612		3					
			119438		47				_	
			120986 121166		50 52				_	
			121700	:	50				_	
NAS1149D0863J	Purchased	No		250	Each	219.0000	2	2 4	-1h	
NAS1149D0863	3.1						**		12/04	/2
			Location	<u>Lo</u>	e Qty	Loc Code			·	
			ST298		219				_	
			118078		36			.100.	=	
			119307		83			11930	Z	
D2744	Manufactured	No .	120308	110	100 Each	46.0000	1	1	_	
	Manaractured			110	Bach	40.0000	**	1	0-11	
D2744							**		BE12/01/12	
			Location	<u>Lo</u>	c Oty	Loc Code				
			LG002		46			· · · · · · · · · · · · · · · · · · ·	_	
			62715 70881		1				-	
			78900		42				_	
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W/O:			WC	RK ORDER CHANG	ES										
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
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	·														
	,														
Part No	•	PAR #:	Fault Categ	gory:	NCR: Yes	No DQ	A:	Date:							
Resol		esolution:	Disposition	n:	QA: N/C CI	osed:		Date: _							
NCR:			WORK ORDER NON-CONFORMANCE (NCR)												
		Description of NC		Corrective Action Section		Verific	ation	Approval	Approval						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti		Chief Eng	QC Inspector						
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Work Order ID: 82679		*8	2679*				· · ·		
Parent Item: D350-636-011 Parent Item Name: Skidtube LH			350-636-0°	11*			tart Date: (04/04/2012 1.00	Required Date: 18/04/2012 Required Qty: 1.00
D2600-3-BENT	Manufactured	No		110	Each	15.0000	1	1	
D2600-3-RFNT							**		B12/04/12
			Location LO 66875 73253 75021 75022 75023 81320	<u> </u>	15 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Loc Code			
D2743	Manufactured	No	81330	160	4 Each	346.0000	8	8	
D2743 Crossbolt Spacer						2	**	* ************************************	BE12/04/16 BB1965 = 8
			Location	Loc	: Oty	Loc Code		A	\$ 81765 8
			LG001		346				
			67766		4			*******	_
			68251 73403		3 64				_
			74445		1				_
			78603		2				_
			79517		62				_
D2739	Manufactured	No		160	Each	5.0000	1	1	_
D2739 350 I Beam							**		
			Location LG 72155 81508 82122	<u>Loc</u>	5 1 1 3	<u>Loc Code</u>			A61246

	oopaoc	, E.u							•
W/O:			WC	RK ORDER CHANG	ES				• .
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date:	
Reso		esolution:							
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCF	R)			
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Action Description	on B Sign &	Verific Secti		Approval Chief Eng	Approval QC Inspector
		Section A	Chief Eng	Chief Eng	Date	Secu		Chief Eng	QC inspector

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Work Order ID: 82679		*A	267	Ω*							
Parent Item: D350-636-011				., 1-636-0	11*						
Parent Item Name: Skidtube LH		•	, , , , , ,	, – (). , () – ()	• •				04/04/2012	Required Date:	
							S	Start Qty:	1.00	Required Qty:	1.00
D3490-3	Manufactured	No			160	Each	90.0000	4	4		
D3490-3 Cross Bolt Spacer								**		&E12/01/18	2
			Locati	<u>on</u>	<u>L</u>	oc Qty	Loc Code			, ,	
			LG			88				_	
				82016		88			4_		
			LG001			2					
D2400.1				78800		2					
D3490-1	Manufactured	No			160	Each	124.0000	4	4		. /
D3490-1 Cross Bolt Spacer								**		BE12/	04/16
·			Location	<u>on</u>	Le	oc Oty	Loc Code				,
			LG			115				_	
				81976		115			_4_	_	
			LG001			9				***	
				62450 74875		2				_	
				74873 77042		4					
S4-1032-225	Purchased	No		.,	220	Each	2,477.000	38	38	_	
AI S4-1032-225							_,	**	38	@ 10	2/04/9
			<u>Locatio</u>	<u>n</u>	Lo	oc Qty	Loc Code				
			ST281			2454				nua.	
				108696		146				_	
				110768 118386		62 55				_	
				118966		68				-	
				120671		123				-	
				121269		2000				_	
			ST282			23				_	
				120410		10				_	
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DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
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Part No		PAR #:	Fault Cat	egory:	NCR: Ye	s No D	Date: _					
	R	esolution:	Dispositi	on:	_ QA: N/C	Closed: _		Date: _				
NCR:		V	VORK ORD	DER NON-CONFORMA	NCE (NC	R)						
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Action Description	Sigr	1& Se	ification	Approval Chief Eng	Approval QC Inspector			
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Work Order ID: 82679	· · · · · · · · · · · · · · · · ·	*8	2679*							
Parent Item: D350-636-011 Parent Item Name: Skidtube LH			350-636-0	11*			start Date: Start Qty:	04/04/2012 1.00	_	I Date: 18/04/2012 d Qty: 1.00
D3793-3 *D3793-3* Wearshoe	Manufactured	No .		230	Each	30.0000	* *	1	OB.	12/04/19
			Location FP001 80434 82166 FP002 78935	<u>Loc</u>	Oty 23 11 12 7	<u>Loc Code</u>			· 	
*AN8C35A *AN8C35A*	Purchased	No	76733	230	Each	56.0000	1 **	1	OP)	12/04/19
			Location FP002 115960 117834 118286 ST346 114442 115188 115960	<u>Loc</u>	Oty 55 1 8 46 1 0 0 1 1	Loc Code				
D3793-1 *D3793-1* Wearshoe	Manufactured	No	Location FP001 78901 82171	230	Each Oty 26 10 16	26.0000 Loc Code	1 **	1		12/04/19-

	•									· · ·		
W/O:			WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No		PAR #:										
	Res	olution:							Date:			
NCR:		\	WORK ORD	ER NON-CONFORMA	ANCE	(NCR)						
DATE	STEP	Description of NC			on B	Sign &	Verific		Approval	Approval		
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Date				Chief Eng	QC Inspector		
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Work Order ID: 82679		*8	2679*						· · · · · · · · · · · · · · · · · ·
Parent Item: D350-636-011			350-636-	Λ11 *					
Parent Item Name: Skidtube LH		1 /	,, ,, ,, ,-(), ,() <i>-</i>	.,,,			start Date: Start Qty:	04/04/2012 1.00	Required Date: 18/04/2012 Required Qty: 1.00
D3488-041	Manufactured	No		230	Each	11.0000	1	1	
D3488-041 Blade Fitting Assembly, LH							**	/_	OP) 12/04/19
			Location	<u>L</u>	oc Oty	Loc Code			
			FP002		11				
			61689 75056		1 2				
			77021		8				_
D3794-3	Manufactured	No		230	Each	23.0000	1	1	_
D3794-3							**		(P) 12/04/19.
			Location	Le	oc Oty	Loc Code			
			FP002		23				_
			74530 80436		2 21				_
AN6C44A	Purchased	No	00130	230	Each	175.0000	4	4	_
AN6C44A							**	4	D 12/04/19.
			Location	<u>Lc</u>	oc Qty	Loc Code			
			FG		2				_
			103964		2				
			ST343		173 25			******	_
			120465		27				_
			120641		1				-
			121013 121167		20				_
			12110/		100				_

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							1 100 mg	
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Part No	•	PAR #:	Fault Cat	egory:	_ NCR: Yes	No DQA:	Date: _	<u> </u>
		esolution:						
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DATE	CTED	Description of NC		Corrective Action Secti		Verification	Approval	Approval
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Work Order ID: 82679	· · · ·	*82	2679)*							
Parent Item: D350-636-011		*D	350	-636-0	11*						
Parent Item Name: Skidtube LH		. ,		-(• •			Start Date: (Start Qty:			Date: 18/04/2012
MS21083C8	Purchased	No			230	Each	115.0000) 1	1		
MS21083C8								**)	(SP)	12/04/19
			Locatio	<u>n</u>	<u>L</u>	oc Qty	Loc Code				·
			304			50					
				121185		50				_	
			FP002			1				_	
				115884		1				_	
			ST303			6				_	
				115884		0				_	
				118077		1			4	_	
				119309 119436		2				_	
				119638		2			7.79	-	
			ST304			58			4841.	-	
				120142 -		8			***	-	
				120731		25				_	
				121011		25				-	
D3536-25	Manufactured	No			230	Each	22.0000	1	1		
D3536-25								**	(A) (12/04/19.
			Location	<u>1</u>	Lo	c Oty	Loc Code				
			FP			14					
				81342		14				- -	
			FP002			8					
				78902 🗸		8					

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DATE	STEP	PR	OCEDURE CHANGE	E	By Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
Part No		PAR #:	Fault Category:	NCR:	Yes No D O)A:	Date:	<u> </u>		
			Disposition:							
NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
			Corrective Actio	n Section B			1	T		

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Work Order ID: 82679 Parent Item: D350-636-011 Parent Item Name: Skidtube LH	*82679* *D350-636-0	11*	Start Date: 04/04/2012	Required Date: 18/04/2012
D3631-1 Manufactured	No	230 Each	Start Qty: 1.00 243.0000 8 8	Required Qty: 1.00
D3631-1			**	P 12/04/19
	Location FG 81874 ST072 68062 75548	Loc Oty 100 100 143 2	Loc Code	
D3791-1 Manufactured *D3791-1* Wearplate	No .	141 230 Each	9.0000 1 1	B 12/04/19
	Location FP002 42 168 62239 78897	Loc Oty 9 2	Loc Code	_ _
AN960C10L NAS1149C0332 Purchased	No	230 Each	0.0000 38 38	-
*AN960C101 *	121255		** 38	QP 12/04/19
D2745 Manufactured *D2745* Bushing	No	230 Each	64.0000 8 8	(28) 12/04/19 (28) 12/04/19
	Location FP 89642 79518 FP001	Loc Oty 62 62 2	Loc Code	· - -

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Part No	•	PAR #:	Fault Category: N			_ NCR: Yes No DQA: Date				
	R	esolution:	Disposition	on:	_ QA: N/C C	losed:		Date:	- · · · · · · · ·	
NCR:		WORK ORD	PER NON-CONFORMA	NCE (NCI	R)					
DATE	STEP	Description of NC		Corrective Action Section		Verific	ation	Approval	Approval	
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	Section C Chief Eng			QC Inspector	
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Work Order ID: 82679 Parent Item: D350-636-011 Parent Item Name: Skidtube LH			2679*)350-636-0 <i>*</i>	11*	Start Date: Start Qty:		Required Date: 18/04/2012 Required Qty: 1.00
*AN3C5A *AN3C5A*	Purchased	No		230 Each	1,602.000 34	34 3 4	(DP) 12/04/12
			Location FP001 115835 ST350 116419 117343 117764 117872 119749 120423 1210168 121255	Loc Oty 7 7 1595 28 13 7 2 23 522 500 500	Loc Code		
D3537-1 *D3537-1* Wearpad	Manufactured	No	121233	230 Each	26.0000 3 **	3	@ 12/04/19.
NAS1149C0832R *NAS1149C0832F WASHER	Purchased ?*	No	Location FG 737167 79833 FP002 69817 80337	Loc Oty 10 10 16 5 11 230 Each	295.0000 1 ** Loc Code	1	OP 17/04/19
			114915	295			-

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W/O:			WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
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Part No	•	PAR #:	Fault Cate	_ NCF	R: Yes I	lo DQ	A :	Date:					
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NCR:			WORK ORD	ER NON-CONFORMA	ANCE	(NCR)							
DATE	STEP	Description of NC			ion B	0:	Verific	ation	Approval	Approval			
	JILI	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector			

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Work Order ID: 82679		*8'	2679)*			· · · ·				
Parent Item: D350-636-011				, -636-0 <i>°</i>	11*						
Parent Item Name: Skidtube LH		1)	,aau	-ถ.วถ-เว				Start Date: Start Qty:	04/04/2012 1.00		d Date: 18/04/2012 ed Qty: 1.00
AN3C6A	Purchased	No			230	Each	517.0000) 4	4		
AN3C6A								**	4		12/04/19
			Locatio	<u>n</u>	<u>L</u>	oc Qty	Loc Code				
			FP001			ì					
				111982		1				_	
			ST351			516				_	
				111982		2				_	
				116419		23				_	
				116549 116704		2 12				_	
				117619		10				_	
				117688		1				_	
				117872		5 .				_	
				118422		13				_ _	
				119449		21				_	
				120423		27 400			*	•••	
NAS1611-013	Purchased	No ·		120093	230	Each	250.0000	8		-	
NAS1611-013	i dichased				230	Lacii	230.0000	**	8 (28)	12/04/19
			Location	L	Lo	e Oty	Loc Code				
			FP001			250				-	
				116582		5				ua.	
				117291 117887		2				-	
				11/88/		53 36				-	
				120910		4				-	
				121166		100				-	
				121259		50					

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W/O:			WORK ORDER CHANGES												
DATE	STEP	PR	OCEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
Part No		PAR #:	Fault Cate	gory:	_ NCF	R: Yes N	lo DQ /	A:	Date:						
Resolution:		solution:	Disposition	n:	_ QA:	N/C Clo	sed:		Date:						
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DATE	OTED	Description of NC		Corrective Action Secti	on B		Verific	ation	Approval	Approval					
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Work Order ID: 82679 Parent Item: D350-636-011 Parent Item Name: Skidtube LH			679* 350-636-0	11*		s	tart Date: (04/04/2012	Required	Date: 18/04/2012
			•			5	Start Qty:	1.00	=	Qty: 1.00
D3535-25 *D3535-25* Wearshoe	Manufactured	No	·	230	Each	22.0000	 * *	1	Æ)	14049
			Location FP001 62233 80331 81357	<u>Loc</u>	22 1 10 11	Loc Code			 	,
D3794-1 *D3794-1* Gasket	Manufactured	No	3.537	230	Each	16.0000	1 **	1		12/04/19.
	**	•	Location FP002 75042 1 80435	<u>Loc</u>	Oty 16 4 12	Loc Code			_	
*MS21043-6 *MS21043-6*	Purchased	No		230	Each	773.0000	4 **	4	(P)	12/04/19.
			<u>Location</u>	Loc	<u>Oty</u>	Loc Code				
` •			FG 103693		20 20			-	_	
			ST301 112314 117887 118384 120308		753 47 6 200 500				- - - -	

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DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
							1 100 mg				
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Part No		PAR #:	Fault Cate	gory:	NCR: Yes	No DQA:	Date: _				
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DATE	STEP	Description of NC		Corrective Action Section		Verification	Approval	Approval			
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Picklist Print Page 12 April-04-12 1:57:18 PM *82679* Work Order ID: 82679 Parent Item: D350-636-011 *D350-636-011* Parent Item Name: Skidtube LH **Start Date:** 04/04/2012 **Required Date: 18/04/2012** Start Qty: 1.00 Required Qty: 1.00 D3493-1 Manufactured 250 Each 54.0000 2 2 *D3493-1* ** Washer Location Loc Qty Loc Code ST050 54 70697 2 77573 12 78835 40 MS21083C8 Purchased No 250 Each 115.0000 *MS21083C8* ** Location Loc Qty Loc Code 304 50 121185 50 FP002 115884 ST303 115884 118077 119309 119436 119638 ST304 58 120142 120731 25 121011 121011 25

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W/O:			WORK ORDER CHANGES												
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Part No			Fault Category: NC												
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DATE	STEP	Description of NC		tion B	Cian 9	Verific		Approval	Approval						
	0121	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	on °C	Chief Eng	QC Inspector					
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	Work Order ID: 82679 Parent Item: D350-636-011 Parent Item Name: Skidtube LH			2679 350	9* -636-0)11*		So	tart Date:	04/04/20	12	Requir	red Date: 18/04/	/2012
								S	Start Qty:	1.00		Requi	ired Qty: 1.00	
	AN8C21A	Purchased	No			250	Each	79.0000	2	2	V			
5	*AN8C21A*			<u>.</u>					**		- 6	10		
		7		<u>Locatio</u>	<u>•n</u>	L	oc Qty	Loc Code			,		·	
				ST343			79							
					118758		5							
					120094		34			120	094			
					121067		20							
	NAS1515H3L	D 1	NI.		121167	220	20							
	*NAS151515H31 *	Purchased	No			230	Each	198.0000	4 **	4	C	20	12/041	19:
	,			<u>Locatio</u>	<u>n</u>	<u>L</u>	oc Qty	Loc Code					, .	
				FG			40							
					102472		40							
				ST277			158							
					118686		3							
					119438		1							
					120072 120360		8 96							
					121243		50						•	
	D2741	Manufactured	No		121213	250	Each	67.0000	1	1				
	D0744	Manatactarea				250	Zuon	07.0000	**	1	-			<i>r</i> .
>	Blade, 350 Skidtube								^^			10	12/04	1/20
	Blade, 550 Skidiuse			Location	•	L	oc Qty	Loc Code				,	,	
				ST	<u>.</u>	<u> </u>	-10	Loc Code						
				ST466										
				31400	71856		77							
					76984		26							
					79516		40			79	216			
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DATE	STEP	Description of NC			ion B		Verific		Approval	Approval				
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng		n & ate	Section	on C	Chief Eng	QC Inspector				
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								:						

Picklist Print

April-04-12 1:57:19 PM

D3532-1

Work Order ID: 82679

Parent Item:

D3532-1

D350-636-011

Parent Item Name: Skidtube LH

82679

D350-636-011

Start Date: 04/04/2012

Required Date: 18/04/2012

Start Qty: 1.00

Required Qty: 1.00

Manufactured

250

Each

55.0000

2

2

**

Page 14

Location	Loc Qty	Loc Code	
ST053	55		
78839	31		1883
82041	24		

April-04-12 1:57:19 PM

Shop Packet Print

Page 14

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W/O:			WORK ORDER CHANGES											
DATE	STEP	PR	OCEDURE CHAI	NGE	В	y	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
							·							
Part No	•	PAR #:	Fault Categ	jory:	_ NCR: \	es N	o DQ	A :	_ Date: _					
Resolution:			Disposition	l:	QA: N/	C Clos	sed:		Date: _					
NCR:			WORK ORDER NON-CONFORMANCE (NCR)											
DATE	STEP	Description of NC			ion B	0	Verific		Approval	Approval				
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng		gn & Date	Secti	on C	Chief Eng	QC Inspector				
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QTY QTY QTY PART NUMBER DESCRIPTION -042 -043 D2750-041 350 SKIDTUBE ASSEMBLY, LH X D2750-042 350 SKIDTUBE ASSEMBLY, RH D2750-043 350 SKIDTUBE ASSEMBLY, LH Х D2750-044 350 SKIDTUBE ASSEMBLY, RH D2739 WER SPACER 8 D2743 8 8 8 CAP D2744 8 8 D2745 BUSHING 8 8 SKIDTUBE WELDMENT, LH D2750-1 D2750-2 SKIDTUBE WELDMENT, RH SKIDTUBE WELDMENT. LH D2750-3 1 D2750-4 SKIDTUBE WELDMENT, RH D3488-041 BLADE FITTING, LH BLADE FITTING, RH D3488-042 4 4 4 D3490-1 SPACER 4 SPACER D3490-3 4 4 D3490-5 SPACER 8 8 D3492-04 PLUG ASSEMBLY 8 8 D3492-043 PLUG ASSEMBLY D3492-045 PLUG ASSEMBLY D3535-25 WEARSHOE D3536-25 GASKET 3 D3537-1 WEARPAD Æ 3 3 3 8 D3631-1 WASHER 8 8 1 D3791-1 1 1 1 WEARPLATE 1 1 1 1 D3793-1 WEARSHOE WEARSHOE 1 D3793-3 1 Æ D3794-1 1 1 GASKET 1 D3794-3 1 1 GASKET INSERT (OR ALS7-1032-225, AKS4-1032-225, AELS-1032-225) 38 ALS4-1032-225 38 38 38 /F\: 34 34 34 34 AN3C5A BOLT 4 4 4 4 AN3C6A BOLT 4 4 4 AN6C44A BOLT AN8C35A BOLT. 38 38 38 AN960C10L WASHER 38 1 AN960C816 WASHER 1 1 1 4 4 4 4 MS21043-6 NUT 1 1 1 MS21083C8 NUT 4 4 4 4 NAS1515H3L WASHER

SHOP COPY RETURN TO **ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER MCJ NO. 32679 MCJ 12/04/05

INCORPORATE DSI 9413; OTY (3) D3537-1 WAS OTY (5) (2N C8-1); 03791-1-73 REPLACES D3535-13/-35 (2N C8-1); 03794-1/-3 REPLACES D35356-13/-35 (2N B8-1); ADD D3794-1 (2N C8-1); WEARSHOE HOLES UNDER FWOIAFT SADDLE REMOVED (8 PL) WEARSHOE HARDWARE OTY UPDATED (ZN B8-1); D3488-041/-042 HARDWARE UPDATED (ZN C1-8, 9, 10, 11); ADD NOTE 12 AND 13 (2N-6-1); REASON: REF. NCK 08-043 08.07.16 CHANGE TO STAINLESS STEEL WEARPLATES; ADD RUBBER GASKETS, CHANGE INSERTS, ADD D3631-1; REMOVE OTY (38) NAS1515H3L; REMOVE OTY (10) NAS1515HBL; REMOVE D2741, OTY (2) AN960C816; 07.05.17 NAS1515H8L; REMOVE D2741, REMOVE QTY (2) MS21083C8 ADD HOLES AND SHACERS FOR APICAL FLOATS, INCORPORATE DEC 9133/9157 n ρн 06.01.05 С ADD D2750-3/D2750-4: INCORPORATE D2738 AND D2740 CP 98.11.18 В CHANGE MS24694-S293 TO AN8-16A 98.09.01 CP Α. NEW ISSUE DS 98 04 16 REV. DATE DESCRIPTION RY DESIGN DART AEROSPACE USA, INC. DRAWN PORT HADLOCK, WA DRAWING NO. CHECKED REV. F

2

D2750 MFG. APPR. TITLE APPROVED 350 SKIDTUBE ASSEMBLY DE APPR. DATE

SHEET 1 OF 11 SCALE NTS

TO UNIT TO BE A DART AEROSPACE USA, INC.
THE DOSUMENT EMPART AND COMPRETED AS EXTREME TO A THE EMPERE ACCORDS
HOT TO BE USED TO A HAT PLANTAGE OCCUPIED AND CONTROL THE OFFICE PERSON
WATTER PERMENSION FROM DARF AEROSPACE USA. NO. 08.07.16

GENERAL NOTES:

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С

MATERIAL: MAKE D2750-1/-2/-3/-4 FROM D2600-3 EXTRUSION (INITIAL LENGTH = 120.0). FINISH:

r! ACID ETCH, ALONDE ASSEMBLY PER DART QSI 005 4.1 PRIOR TO INSTALLING D2739 WEB. POWDER COAT WHITE (REF. 4.3.5.1) PER DART QSI 005 4.1 BLACK ANT-SKID PAINT AS INDICATED TO 1.0 ABOVE SKIDTUBE CENTER-LINE PER DART 005 4.4 (OPTIONAL).

TOLERANCES: PER DART OSI 018 UNLESS OTHERWISE NOTED

UNITS: INCHES UNLESS OTHERWISE NOTED

BREAK SHARP EDGES: N/A

IDENTIFICATION: N/A

WEIGHT: D2750-041/-042/-043/-044 = 26.5 LBS

WELD PER DART QSI 004

WELD PER DART QSI 004
INSTALL ALSA-1032-225 INSERTS AFTER FINISH AS INDICATED. DRILL 'F' SIZE HOLES (\$\phi\$0.297) FOR WEARSHOE INSERTS
FINAL CONFIGURATION SHOULD HAVE THE FOLLOWING MINIMUM MECHANICAL PROPERTIES:

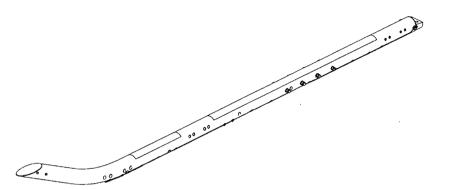
MINIMUM VIELD TENSILE STRENGTH = 35 KSI
MINIMUM MLTIMATE TENSILE STRENGTH = 38 KSI
SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES "LPS-3" AFTER FINISH AND AFTER INSTALLATION OF INSERTS. COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF

POWDER COATING WITH MEK DEGREASER.

SPACER AND PLUG INSTALLED SAME AS SECTION AJ-AJ EXCEPT HORIZONTAL A SPACER AND PLUG INSTALLED SAME AS SECTION AP-AP EXCEPT HORIZONTAL

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3



D2750-041 350 SKIDTUBE ASSEMBLY, LH

D2750-042 350 SKIDTUBE ASSEMBLY, RH



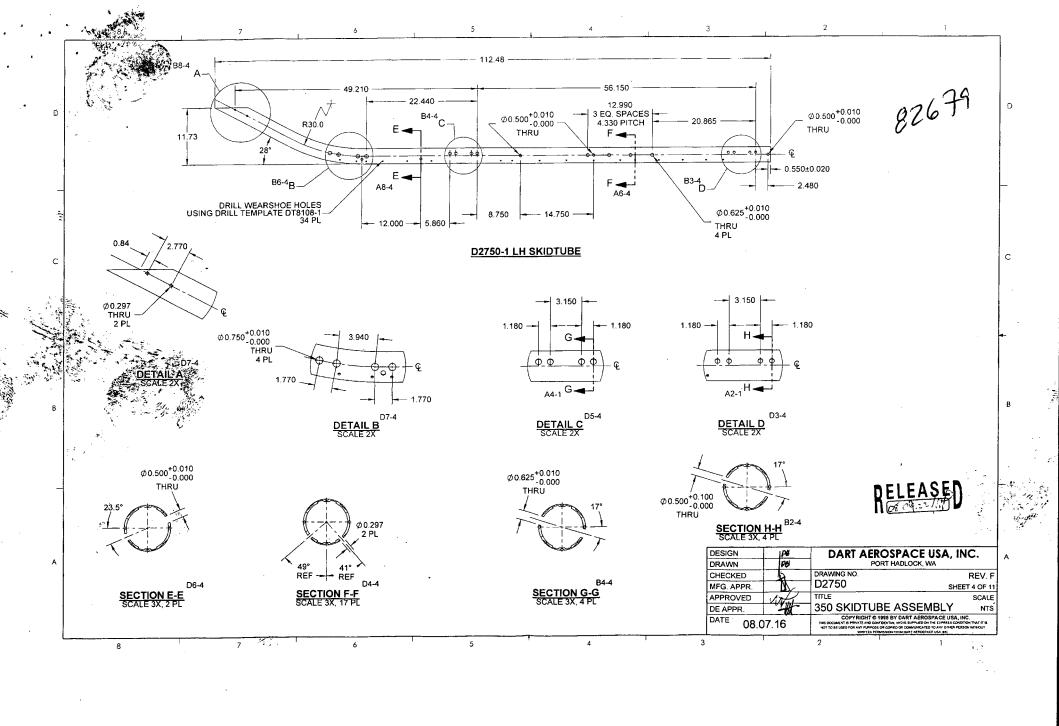
DESIGN PC		DART AEROSPACE USA, INC. PORT HADLOCK, WA		
MFG. APPR.	M	D2750 _{SHI}	EET 2 OF 11	
APPROVED	Ma	TITLE	SCALE	
DE APPR.	-	350 SKIDTUBE ASSEMBLY	NTS	
DATE 08.07.16		COPYRIGHT © 1998 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PROVED WHO COMPOSETHED AND SERVING THE EXPRESS CONTROL THAT IT IS NOT TO BE USED FOR ANY PURPOSE ON COMED ON COMMENCATED TO ANY OTHER PERSON WITHOUT WHITTEN REPRESSOR FOR DAIL PARK AROUS PARKETS.		

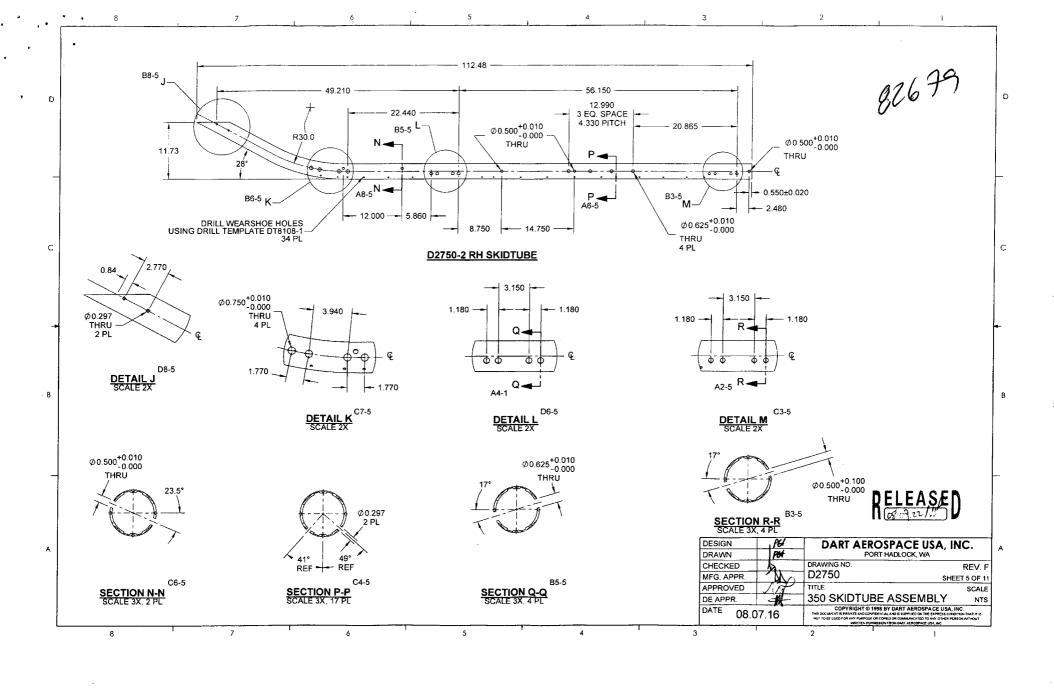
82679 D2750-044 350 SKIDTUBE ASSEMBLY, RH D2750-043 350 SKIDTUBE ASSEMBLY, LH DART AEROSPACE USA, INC. DESIGN DRAWN DRAWING NO. CHECKED REV. F MFG. APPR. SHEET 3 OF 11 APPROVED TITLE SCALE 350 SKIDTUBE ASSEMBLY NT.

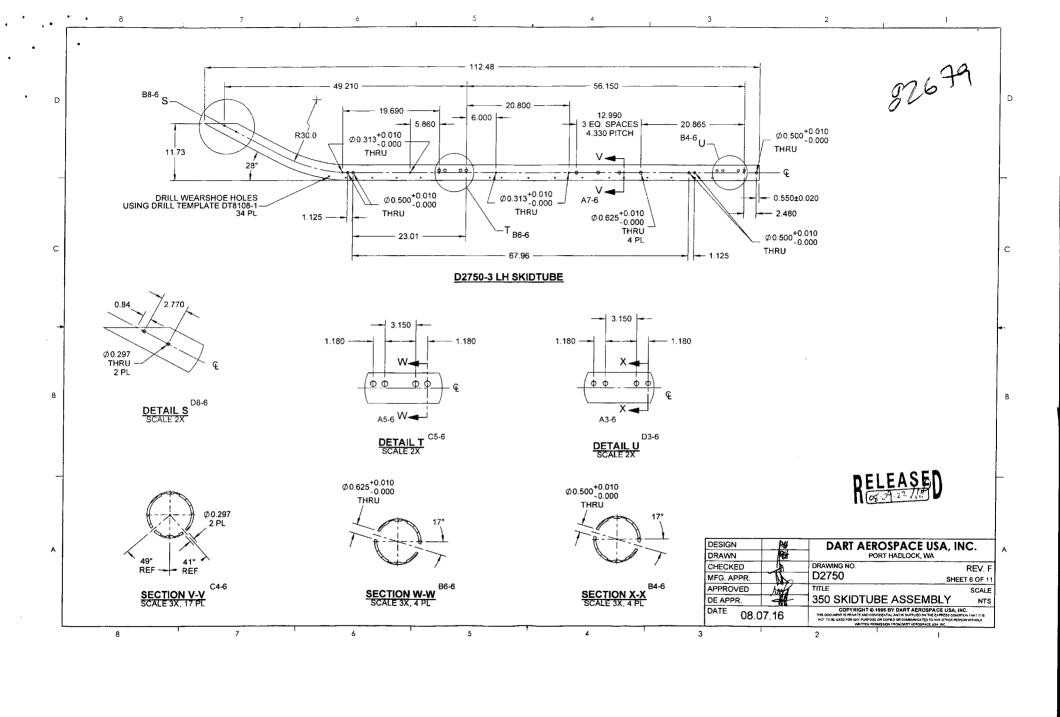
COPYRIGHT 9:998 BY DAYT ARROSPACE USA, INC.

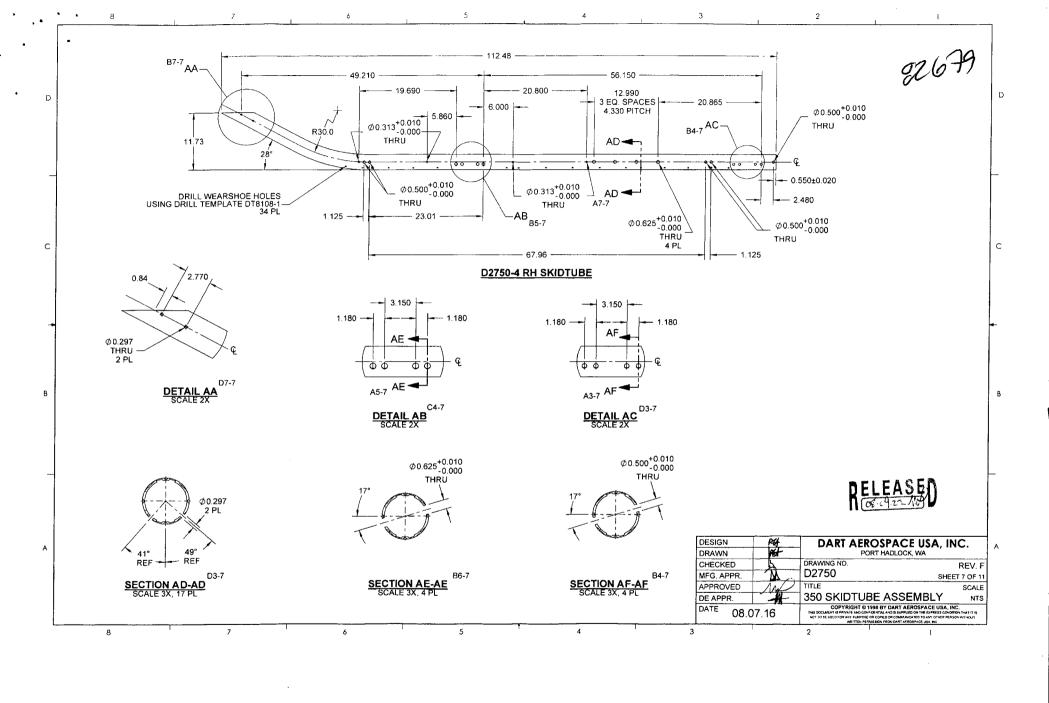
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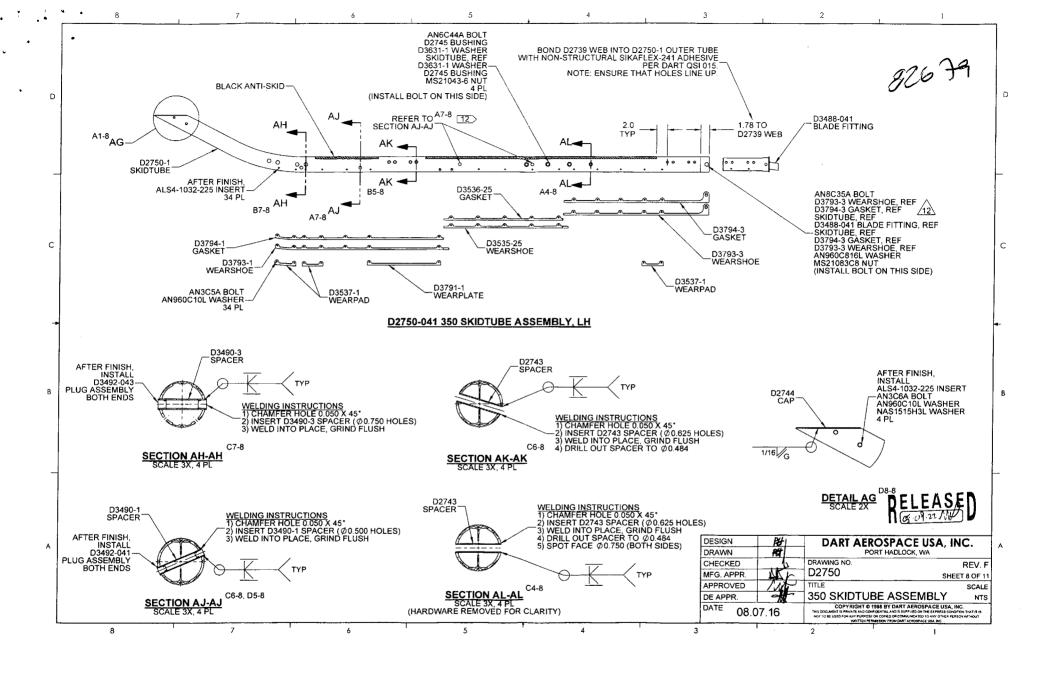
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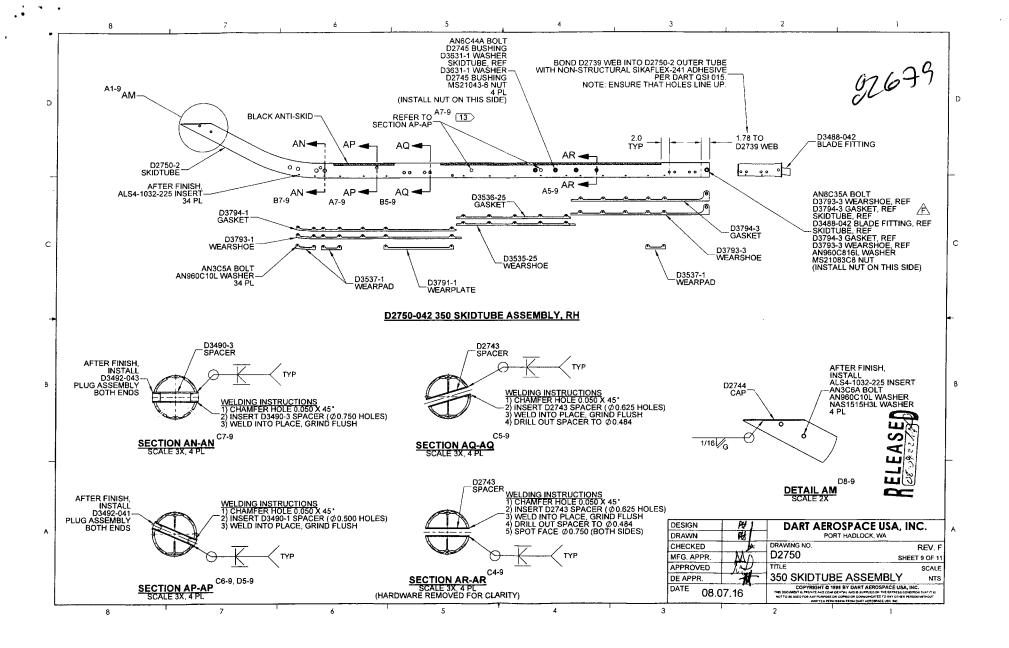


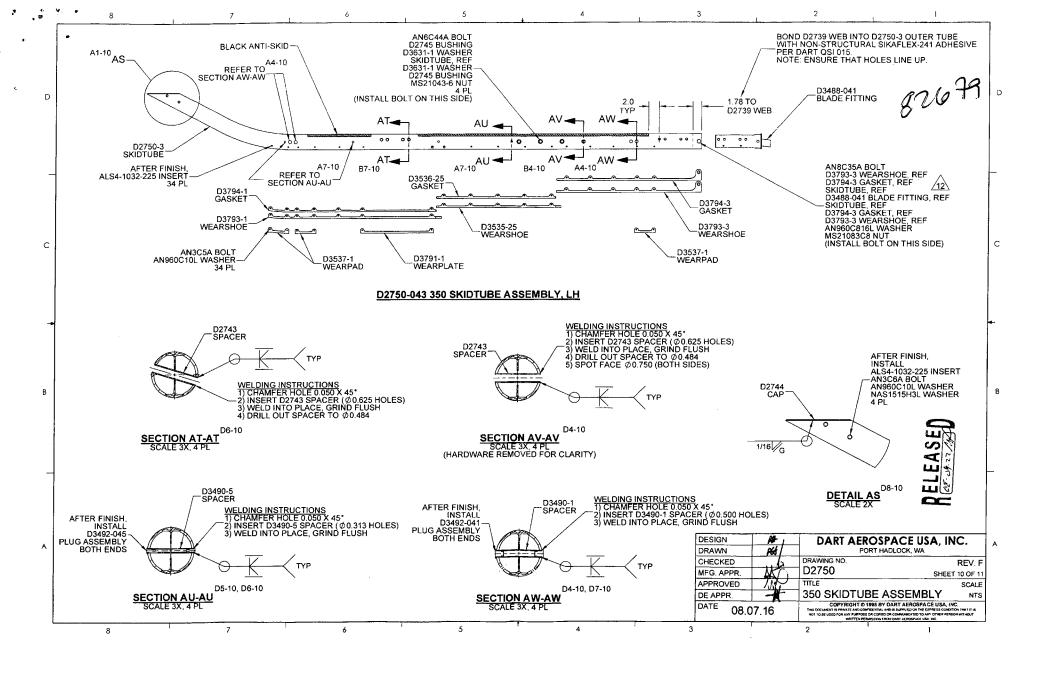


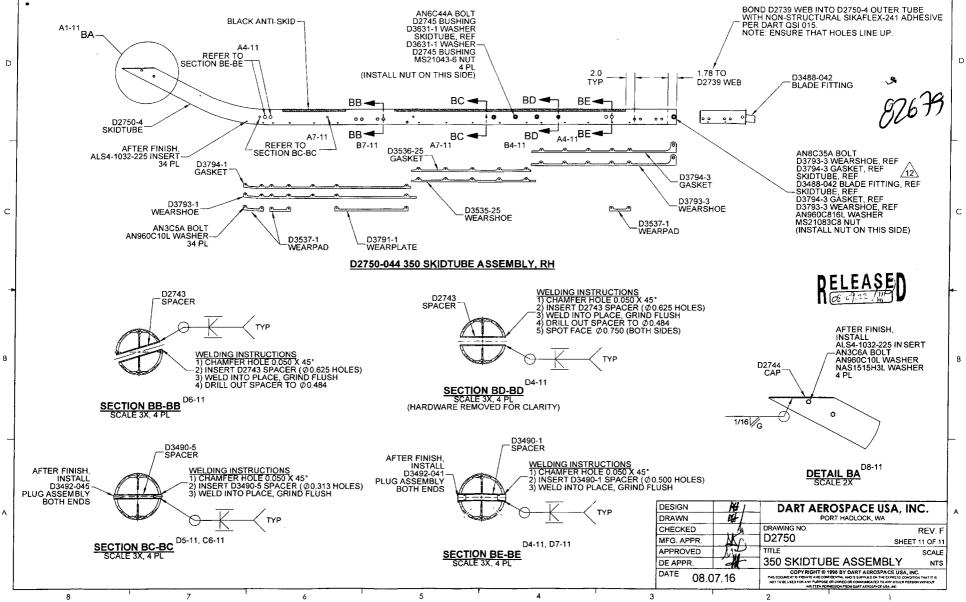


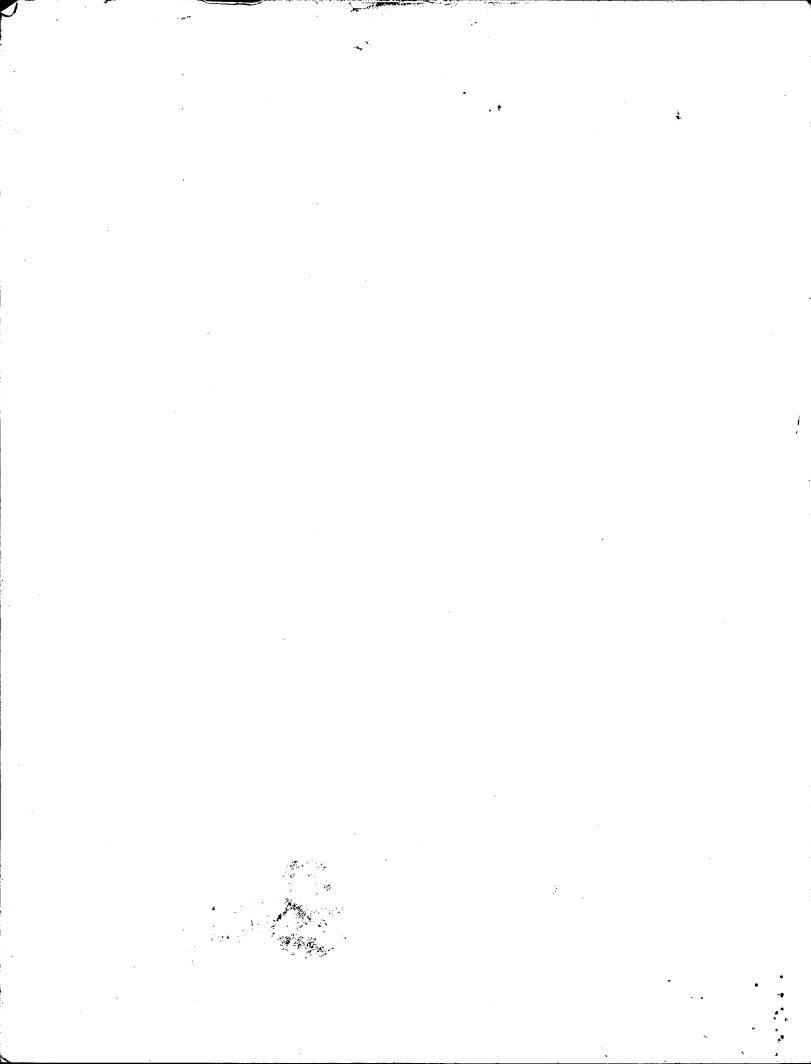












NO. <u>186</u>

AWS D17.1.2001 QUALIFICATION TEST RECORD

2 /	Eil Si	
Name: <u>Barclay</u>	Elliott	
lob number: <u> </u>	89	
Part number: 🔬 🔏 350	0-636-012	
Description: <u>'S</u>	id tube	
Welding Process: Tig[a	 Mig[]	
Base materiel: <u>A/u.</u>	m ·	
Current: AC[of DC[]	

TEST REQUIREMENTS AND RESULTS

Visual: Penetration:	pass[fail[] pass[fail[]	
UNACCEPTABLE		
Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration:	pass[fail[]	
Qualifier Jawa Alwa Welder Borlay Ellion	Date of Test Coupon 12-04-03 Date of Test Coupon 12-04-03	

The above named individual is qualified in accordance with AWS D17.1.2001 to weld